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(71) Applicant and

(72) Inventor: **JANG, Kil-Hun** [KR/KR]; 378-7, Sam-nak-dong, Sasang-gu, Busan 617-825 (KR).

(74) Agents: **CHANG, Soon-Boo** et al.; 8th Fl, Mointer Bldg., 1675-12, Seocho-Dong, Seocho-Gu, Seoul 137-070 (KR).

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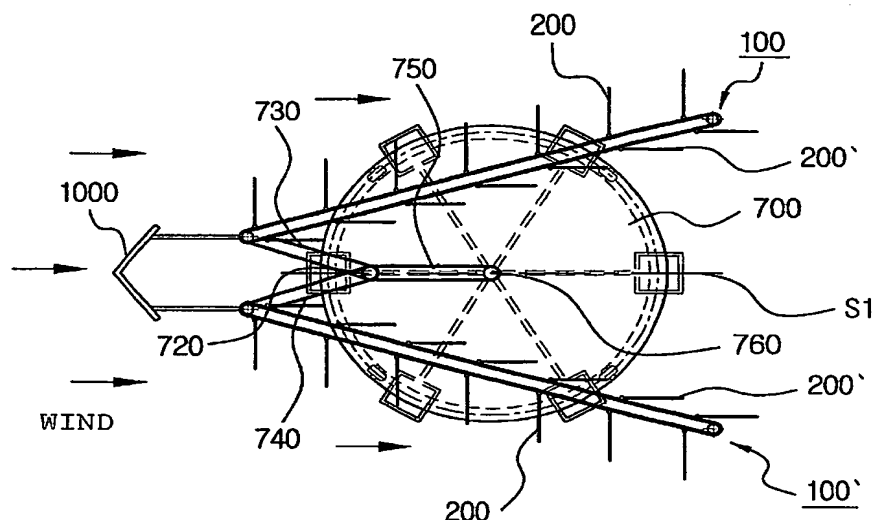
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(54) Title: WIND TURBINE



(57) Abstract: A wind turbine for producing electricity using wind. In a power generating section, a driving shaft, columns, and a guide shaft are installed between a base frame fastened to a support plate and a cover frame positioned above the base frame. Guide rails are fastened to the columns to define closed loops which surround the driving shaft, guide shaft and columns. Sail structures each of which can be adjusted in its wind pressure acting area by means of a geared motor and a coil spring are connected to sprocket chains provided in the guide rails such that the sail structures can be moved along the guide rails by wind force to rotate sprocket chains and sprockets of the driving shaft which are meshed with the sprocket chains. Two power generating sections are installed to transmit power generated by the driving shaft to an auxiliary sprocket through power transmitting chains.

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